

WHAT IS CLAIMED IS:

- 1      1. A guard hose arrangement for protecting insulated  
2                electrical conductors for installation in a vehicle such as  
3                an aircraft, said guard hose arrangement comprising a  
4                plurality of guard hoses (1, 2...n), each guard hose having  
5                an inner diameter for receiving at least one of said  
6                insulated electrical conductors, each guard hose of said  
7                plurality of guard hoses comprising an outwardly facing  
8                first contour, and at least one spacer positioned between  
9                two neighboring guard hoses of said plurality of guard  
10               hoses, said at least one spacer having a second contour  
11               matching said first contour of said guard hoses for spacing  
12               said plurality of guard hoses from one another.
- 1      2. The guard hose arrangement of claim 1, comprising a  
2                number n of guard hoses, and a number n-1 of spacers  
3                arranged between neighboring guard hoses, and wherein each  
4                of said spacers is positioned along a straight length of  
5                two neighboring guard hoses.
- 1      3. The guard hose arrangement of claim 1, comprising several  
2                spacers arranged in a row between two neighboring guard  
3                hoses of said plurality of guard hoses, and spaces (S)  
4                between neighboring spacers in said row.
- 1      4. The guard hose arrangement of claim 1, wherein said at  
2                least one spacer has top and bottom surfaces opposite each

3       other and side surfaces opposite each other in first and  
4       second pairs, each side surface of a pair of said side  
5       surfaces having said second contour matching said first  
6       contour of a respective guard hose.

1       **5.** The guard hose arrangement of claim 4, wherein said first  
2       contour is convex and wherein said second contour is  
3       concave so that said convex first contour partly encircles  
4       said convex second contour.

1       **6.** The guard hose arrangement of claim 4, wherein each of said  
2       side surfaces has the same length or different length,  
3       whereby said top and bottom surfaces are squares or  
4       quadrangles and the side surfaces are rectangles.

1       **7.** The guard hose arrangement of claim 4, wherein said side  
2       surfaces forming said first pair have the same length, and  
3       wherein said side surfaces forming said second pair have a  
4       length longer or shorter than said same length, and wherein  
5       the second contours are provided in said squares or  
6       quadrangles.

1       **8.** The guard hose arrangement of claim 4, wherein said spacer  
2       has a V-sectional or U-sectional configuration.

1       **9.** The guard hose arrangement of claim 8, wherein said  
2       V-sectional or U-sectional configuration has legs of equal  
3       length.

- 1       **10.** The guard hose arrangement of claim 8, wherein said  
2                  V-sectional or U-sectional configuration has legs of  
3                  unequal length.
- 1       **11.** The guard hose arrangement of claim 4, wherein said spacer  
2                  has a V-sectional configuration with two legs enclosing an  
3                  angle ( $\alpha$ ) between said two legs.
- 1       **12.** The guard hose arrangement of claim 11, wherein said angle  
2                  ( $\alpha$ ) is within the range of  $45^\circ$  to  $90^\circ$ .
- 1       **13.** The guard hose arrangement of claim 4, wherein said spacer  
2                  has a U-sectional configuration with two legs  
3                  interconnected by a land, each leg enclosing with said land  
4                  an angle ( $\beta$ ).
- 1       **14.** The guard hose arrangement of claim 13, wherein said angle  
2                  ( $\beta$ ) is up to  $120^\circ$ .
- 1       **15.** The guard hose arrangement of claim 1, wherein said at  
2                  least one spacer has at least one through-hole.
- 1       **16.** The guard hose arrangement of claim 1, wherein a first and  
2                  last guard hose of said plurality of guard hoses has an  
3                  outwardly positioned surface portion facing away from said  
4                  at least one spacer, said guard hose arrangement further

5           comprising a protective covering on said surface portion  
6           facing away from said at least one spacer.

1       **17.** The guard hose arrangement of claim 16, wherein said  
2           protective covering is a metal foil or fabric adhesively  
3           bonded to said surface portion facing away from said at  
4           least one spacer.

1       **18.** The guard hose arrangement of claim 16, wherein said  
2           covering is a coating comprising metal particles forming a  
3           screen against electromagnetic adverse influences.

1       **19.** The guard hose arrangement of claim 1, wherein at least one  
2           guard hose of said plurality of guard hoses comprises at  
3           least one protective ridge (11) extending externally and  
4           helically around said at least one guard hose.

1       **20.** The guard hose arrangement of claim 1, wherein said  
2           plurality of guard hoses and said at least one spacer are  
3           formed as one integral component.

1       **21.** The guard hose arrangement of claim 1, wherein said guard  
2           hoses and said spacer or spacers are interconnected at a  
3           junction (6, 7) by any one of adhesive bonding, welding,  
4           and tongue and groove connections.